

SCDXC Newsletter



The Southern California DX Club is a group of dedicated men and women active in the amateur radio community who enjoy communicating over the air with other radio amateurs around the world.

The SCDXC strongly supports the DX Code of Conduct. Please visit their website:

www.dx-code.org

The SCDXC newsletter is published monthly and released to club members around the first of each month. Amateur and DX related letters, news and pictures are welcome and will be published as time and space permit.

Articles will be republished with recognition of the author and the club. Re-use of copyrighted materials require the original author's permission.

Any questions regarding this newsletter or its articles should be addressed to the Editor, Bill, N6RV at:

n6rv@scdxc.org

Club meetings are held on the second Thursday of the month at 7:00 PM except April, June, and December.

Please check the club web site for events and details at:

<http://www.scdxc.org>

If you are in the area please say hello on our repeater:

W6AM/R 145.48, (-) PL 100.0

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*If you need him get in
there and work him"*



The Future of SCDXC is in Jeopardy!

The Southern California DX Club has been a fantastic organization for the last 73 years promoting DXing.

Unfortunately, we have not been able to increase our membership and, although we have over 100 members, only a handful participate. A recent example was the picnic, only 10 members/visitors responded they would attend. Three were from the Central Coast and the rest were board members/family.

In November we have our election of new officers. The 6 main positions that will need to be filled are President, Vice President, Secretary, Treasurer / Membership and two directors. In addition, we will need a new Newsletter Editor and Repeater chair.

Board members have been active to get members to step up without success. As painful as it is the board has decided if we cannot fill the open positions the SCDXC will be dissolved with the last meeting in November and the Holliday Party in December.

It is up to you to decide the fate of the club.

Please consider!

W6FL

President SCDXC

On behalf of the SCDXC Board

(Editor's Note: So far we have filled all the board positions except President and Vice President. We still need a newsletter editor and repeater chairman. We need two full members to step up and take on the president and vice president positions in order for the club to continue. Furthermore we need two members to take on the editor and repeater chairs.)

2025 Dues

Please **Do Not Send In** your 2025 dues until we know that we have a full board slate. Please wait until January to send in your dues. This will help the workload on the treasurer in the event we dissolve the club.

September Club Meeting is Live!

September 12th 7 PM at WEMS
Come Join Us!

March Presentation:
AK6R

Palomar Engineering Ferrite Products

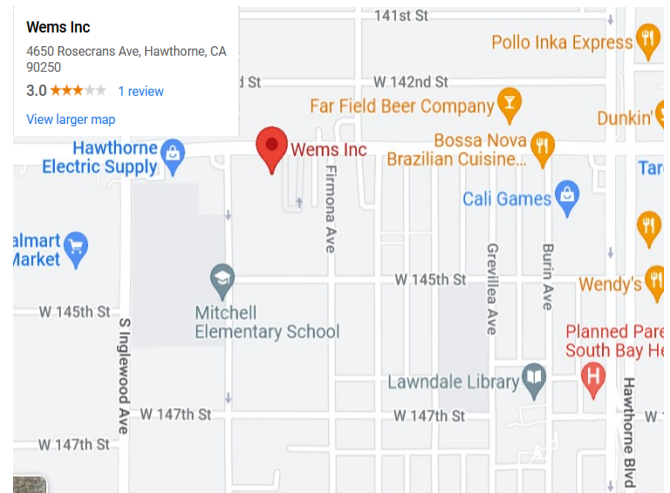
The September meeting will be live and on Zoom. You can participate at the link below:

[SCDXC Club Meeting](#)

If you have difficulty with this link try downloading the Zoom app and run this session:

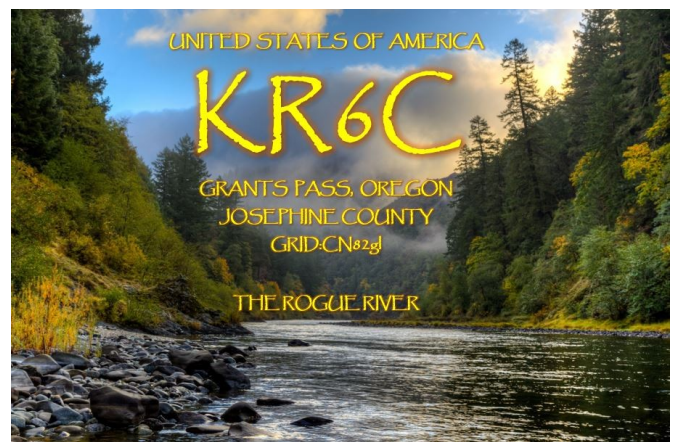
Meeting ID: 819 8565 2659

Passcode: 154024



Chuck Constantine KR6C #1 Honor Roll

Glorioso Island FT4GL was #340 for Chuck. Congrats!
Now Chuck will head out for honor roll on each band.



2024 Board of Directors

President

Howard Elovitz, W6FL

Vice President

John Schroeder, N6QQ

Treasurer

Bill Kendrick, N6RV

Secretary

Bill Erickson, N6MXU

Director

Mel Hughes, K6SY

Director

Kevin Ngo, K6NGO

Director

John Schroeder, N6QQ

APPOINTEES

Repeater Chair

Chip Angle, N6CA

Newsletter Editor

Bill Kendrick, N6RV

Webmaster

Jim Shryne, N6DHZ

From the Desk of the President Howard Elovitz, W6FL

Our August meeting had 14 in person and 13 Zoom attendees.

A topic that needs to be resolved is the need for club members stepping up and volunteering for SCDXC leadership positions. We still need a President, Vice President and Newsletter editor, if we are not able to fill the leadership positions, it will put the future of the club at risk. Please think about getting involved.

I want to thank Dick Norton N6AA ARRL Southwestern Division Director for presenting at our August meeting. His informative presentation led to a good follow-on discussion.

Our September meeting, in person presenter will be AK6R Bob Brehm Chief Engineer at Palomar-Engineers



Bob Brehm, AK6R

Bob was first licensed as WB6QFA in about 1963. (Had both novice and technician class licenses at the same time). His Elmer was Bill, WB6KZO (SK). Bob purchased a Viking I which had a forest green front panel, and it came with 20 crystals for 80, 40 and 15 meters. Just what a 15-year-old kid needed to get started. Bob also had a Knight R100A which was later upgraded to a brand-new Hammarlund HQ-170AC, and used both rigs for many years on CW and eventually 80-meter AM with the then "old timers". Now I am an "old timer" and a life member of ARRL and proud of it. I later upgraded to advanced class around 1984 and was issued KB6QC. I also got a First-Class commercial at age 18 (which I still hold). I upgraded to an extra class and was issued AK6R about 1997. Passed the code in front of an examiner (W6YOO) and finally got the lower 25KC's of the bands and started serious contesting efforts. I also hold a **General Radiotelephone Operators License** (GROL). Been very active in contests (CW, RTTY, SSB) and now restore old tube gear and get on CW, AM and SSB regularly on 80 and 40 meters.

**Till Next Month Best of DX
73's Howard W6FL**



Howard, W6FL

September Calendar

September 7	All Asian DX Contest SSB
September 7	Russian RTTY WW CW
September 12	SCDXC Club Meeting at WEMS
September 14	WAE DX Contest SSB
September 21	Scandinavian Activity Contest CW
September 28	CQWW DX Contest RTTY

For more contest Info see: www.contestcalendar.com

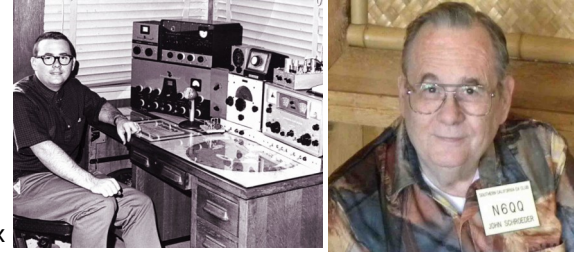
VP Corner September 2024

John Schroeder, N6QQ

Greetings from John, N6QQ

Latest information from ARRL attack

Sometime in early May 2024, ARRL's systems network was compromised by threat actors (TAs) using information they had purchased on the dark web. The TAs accessed headquarters on-site systems and most cloud-based systems. They used a wide variety of payloads affecting everything from desktops and laptops to Windows-based and Linux-based servers. Despite the wide variety of target configurations, the TAs seemed to have a payload that would host and execute encryption or deletion of network-based IT assets, as well as launch demands for a ransom payment, for every system. This serious incident was an act of organized crime.



The highly coordinated and executed attack took place during the early morning hours of May 15.

The FBI categorized the attack as "unique" as they had not seen this level of sophistication among the many other attacks, they have experience with. Within 3 hours a crisis management team had been constructed of ARRL management, an outside vendor with extensive resources and experience in the ransomware recovery space, attorneys experienced with managing the legal aspects of the attack including interfacing with the authorities, and our insurance carrier.

The ransom demands by the TAs, in exchange for access to their decryption tools, were exorbitant. It was clear they didn't know, and didn't care, that they had attacked a small 501(c)(3) organization with limited resources. It was also clear that they believed ARRL had extensive insurance coverage that would cover a multi-million-dollar ransom payment. After days of tense negotiation and brinkmanship, ARRL agreed to pay a \$1 million ransom. That payment, along with the cost of restoration, has been largely covered by our insurance policy.

From the start of the incident, the ARRL board met weekly using a continuing special board meeting for full progress reports and to offer assistance. ARRL worked closely with professionals deeply experienced in ransomware matters on every post. It is important to understand that the TAs had ARRL under a magnifying glass while we were negotiating. Based on the expert advice we were being given, we could not publicly communicate anything informative, useful, or potentially antagonistic to the TAs during this time frame.

Today, most systems have been restored or are waiting for interfaces to come back online to interconnect them. While we have been in restoration mode, we have also been working to simplify the infrastructure to the extent possible. We anticipate that it may take another month or two to complete restoration under the new infrastructure guidelines and new standards.

Most ARRL member benefits remained operational during the attack. One that wasn't was Logbook of The World (LoTW), which is one of our most popular member benefits. LoTW data was not impacted by the attack and once the environment was ready to again permit public access to ARRL network-based servers, we returned LoTW into service.

The board at the ARRL Second Board Meeting in July voted to approve a new committee, the Information Technology Advisory Committee. This will be comprised of ARRL staff, board members with demonstrated experience in IT, and additional members from the IT industry who are currently employed as subject matter experts in a few areas. They will help analyze and advise on future steps to take with ARRL IT within the financial means available to the organization.

We thank you for your patience as we navigated our way through this. The emails of moral support and offers of IT expertise were well received by the team. Although we are not entirely out of the woods yet and are still working to restore minor servers that serve internal needs (such as various email services like bulk mail and some internal reflectors), we are happy with the progress that has been made and for the incredible dedication of staff and consultants who continue to work together to bring this incident to a successful conclusion.

Hope to see you at our September meeting.

73 -- John, N6QQ

Vice President, SCDXC

ARRL - CQ QSL Card Checker

<https://www.qrz.com/lookup/n6qq>

N6QQ@scdxc.org

***Every DXpedition is the WORST EVER....
UNTIL IT'S IN YOUR LOG***

Rumors on the Band

September is Africa month! Even though there are other DXpeditions, many not mentioned here are also in Africa. Note that HA5AO, Istvan Gaspar is on the move around the continent. Look for Somalia!

QTH	Call	Start Date	End Date	Information
Ghana	9G5AS	Now	4-Sep	M6NXW 20-10 SSB Digi
St. Paul Isl.	CY9C	26-Aug	5-Sep	WA4DAN W0GJ K9CT N2TU K4ZLE K9NW W4DKS WW2DX N2IEN W0PR 160-6m; CW SSB FT8 RTTY
St. Pierre	FP/DC8TM	Now	3-Sep	DC8TM & DF3TS both signing portable 40-10 CW
Grenada	J3/N6GB	2-Sep	10-Sep	40-10m CW SSB
Zimbabwe	Z22AO	3-Sep	13-Sep	HA5AO 80-6m CW SSB Digi
Monaco	3A/MM0NDX	5-Sep	9-Sep	Also 3A/MMOSAJ Low bands SSB Digi
Burkina Faso	XT2AW	8-Sep	22-Sep	DF2WO 80-10m SSB Digi
Somalia	600T	9-Sep	30-Sep	6 Man Italian Team 160-6m CW SSB Digi
Zambia	9J2AO	14-Sep	23-Sep	HA5AO 80-6m CW SSB Digi
Botswana	A25AO	24-Sep	4-Oct	HA5AO 80-6m CW SSB Digi

ClubLog Most Wanted						
2023			2022			
#	Pfx	Entity	#	Pfx	Entity	Delta
1	P5	DPRK (NORTH KOREA)	1	P5	DPRK (NORTH KOREA)	1
2	BS7H	SCARBOROUGH REEF	2	3Y/B	BOUVET ISLAND	11 (↓ 9)
3	CE0X	SAN FELIX ISLANDS	3	FT5/W	CROZET ISLAND	31 (↓ 28)
4	BV9P	PRATAS ISLAND	4	BS7H	SCARBOROUGH REEF	2 (↑ 2)
5	KH7K	KURE ISLAND	5	CE0X	SAN FELIX ISLANDS	3 (↑ 2)
6	KH3	JOHNSTON ISLAND	6	BV9P	PRATAS ISLAND	4 (↑ 2)
7	FT/G	GLORIOSO ISLAND	7	KH7K	KURE ISLAND	5 (↑ 2)
8	3Y/P	PETER 1 ISLAND	8	KH3	JOHNSTON ISLAND	6 (↑ 2)
9	FT5/X	KERGUELEN ISLAND	9	FT/G	GLORIOSO ISLAND	7 (↑ 2)
10	YV0	AVES ISLAND	10	FT5/X	KERGUELEN ISLAND	9 (↑ 1)
11	3Y/B	BOUVET ISLAND	11	3Y/P	PETER 1 ISLAND	8 (↑ 3)
12	ZS8	PRINCE EDWARD & MARION ISLANDS	12	YV0	AVES ISLAND	10 (↑ 2)
13	KH4	MIDWAY ISLAND	13	VK0M	MACQUARIE ISLAND	14 (↓ 1)
14	VK0M	MACQUARIE ISLAND	14	SV/A	MOUNT ATHOS	33 (↓ 19)
15	PY0S	SAINT PETER AND PAUL ROCKS	15	ZS8	PRINCE EDWARD & MARION ISLANDS	12 (↑ 3)
16	PY0T	TRINIDADE & MARTIM VAZ ISLANDS	16	KH4	MIDWAY ISLAND	13 (↑ 3)
17	KP5	DESECHEO ISLAND	17	EZ	TURKMENISTAN	23 (↓ 6)
18	VP8S	SOUTH SANDWICH ISLANDS	18	PY0S	SAINT PETER AND PAUL ROCKS	15 (↑ 3)
19	KH5	PALMYRA & JARVIS ISLANDS	19	PY0T	TRINIDADE & MARTIM VAZ ISLANDS	16 (↑ 3)
20	ZL9	NEW ZEALAND SUBANTARCTIC ISLANDS	20	VP8S	SOUTH SANDWICH ISLANDS	18 (↑ 2)
21	FK/C	CHESTERFIELD ISLANDS	21	KP5	DESECHEO ISLAND	17 (↑ 4)
22	VK0H	HEARD ISLAND	22	YK	SYRIA	25 (↓ 3)
23	EZ	TURKMENISTAN	23	KH5	PALMYRA & JARVIS ISLANDS	19 (↑ 4)
24	FT/T	TROMELIN ISLAND	24	JD/M	MINAMI TORISHIMA	34 (↓ 10)
25	YK	SYRIA	25	XF4	REVILLAGIGEDO	29 (↓ 4)
26	ZL8	KERMADEC ISLAND	26	KH1	BAKER HOWLAND ISLANDS	30 (↓ 4)
27	KH8/S	SWAINS ISLAND	27	ZL9	NEW ZEALAND SUBANTARCTIC ISLANDS	20 (↑ 7)
28	VP8G	SOUTH GEORGIA ISLAND	28	FK/C	CHESTERFIELD ISLANDS	21 (↑ 7)
29	XF4	REVILLAGIGEDO	29	FT/T	TROMELIN ISLAND	24 (↑ 5)
30	KH1	BAKER HOWLAND ISLANDS	30	VK0H	HEARD ISLAND	22 (↑ 8)
31	FT5/W	CROZET ISLAND	31	T31	CENTRAL KIRIBATI	54 (↓ 23)
32	KH9	WAKE ISLAND	32	VP8G	SOUTH GEORGIA ISLAND	28 (↑ 4)
33	SV/A	MOUNT ATHOS	33	ZL8	KERMADEC ISLAND	26 (↑ 7)
34	JD/M	MINAMI TORISHIMA	34	KH8/S	SWAINS ISLAND	27 (↑ 7)
35	VK9M	MELLISH REEF	35	KH9	WAKE ISLAND	32 (↑ 3)
36	FT/J	JUAN DE NOVA, EUROPA	36	VK9M	MELLISH REEF	35 (↑ 1)
37	FO/C	CLIPPERTON ISLAND	37	CY0	SABLE ISLAND	73 (↓ 36)
38	TI9	COCOS ISLAND	38	FT/J	JUAN DE NOVA, EUROPA	36 (↑ 2)
39	HK0/M	MALPELO ISLAND	39	TI9	COCOS ISLAND	38 (↑ 1)
40	KP1	NAVASSA ISLAND	40	3D2/C	CONWAY REEF	50 (↓ 10)
41	VK9W	WILLIS ISLAND	41	VK9W	WILLIS ISLAND	41 =
42	FT5Z	AMSTERDAM & ST PAUL ISLANDS	42	HK0/M	MALPELO ISLAND	39 (↑ 3)
43	H40	TEMOTU PROVINCE	43	KP1	NAVASSA ISLAND	40 (↑ 3)
44	7O	YEMEN	44	H40	TEMOTU PROVINCE	43 (↑ 1)
45	ZD9	TRISTAN DA CUNHA & GOUGH ISLANDS	45	FO/C	CLIPPERTON ISLAND	37 (↑ 8)
46	VP8O	SOUTH ORKNEY ISLANDS	46	T33	BANABA ISLAND	57 (↓ 11)
47	XZ	MYANMAR	47	VP8O	SOUTH ORKNEY ISLANDS	46 (↑ 1)
48	ZK3	TOKELAU ISLANDS	48	5A	LIBYA	87 (↓ 39)
49	3C0	ANNOBON	49	XZ	MYANMAR	47 (↑ 2)
50	3D2/C	CONWAY REEF	50	FT5Z	AMSTERDAM & ST PAUL ISLANDS	42 (↑ 8)

[CADXA Most Wanted DXCC Entities](#)

[ClubLog Most Wanted DXCC Ranking](#)

DX Standings

Thanks to Carlos, WD6Y, and Chuck, KR6C, for their input. Please remember that the standings will only be updated if you email in the updates. Since this is my last year as editor and possibly the club will not exist next year the annual 30 hour process of going through ARRL DXCC standings and ClubLog standings will be left to the club historian to complete.

Chuck has FT4GL confirmed putting him at #1 Honor Roll. Congratulations Chuck!

Did we mention we need members to fill the 2025 Board of Directors slate? Are you considering a spot?

If you are a new member please join ClubLog and then sign up for the Southern California DX Club. If you need help email me. Send any updates to:

N6RV@SCDXC.org

SCDXC WAZ and DXCC Standings

The first WAZ column is the confirmed zone count on 10 bands 160 - 6 (less 60 meters). The second column is the regular 5BWAZ confirmed count. The following are the codes that follow the two columns and indicate the awards:

M	Mixed
P	Phone
C	CW
R	RTTY

SCDXC Lifetime Standings									
Rank	Call	Current	Total	Slots	Rank	Call	Current	Total	Slots
1	W6KH	340	389		47	N6VNI	312	314	1541
2	JA1BK	340	383	3242	48	N6WT	311	311	1584
3	K6YRA	340	378	2278	49	W6HB	311	311	1029
4	OH2BH	340	378		50	N6PM	299	300	2000
5	N0FW	340	372	2978	51	N6GP	299	314	1851
6	K6YUI	340	366	2610	52	K6IRD	292	302	649
7	NS6C	340	361	2633	53	W6ZL	287	291	1074
8	W6SR	340	359	2778	54	WA6HXM	275	275	
9	K6FG	340	357	2786	55	WA6WDX	274	274	
10	K5KT	340	355		56	K6VC	264	267	
11	W8DX	340	353	2456	57	K0XP	250	249	973
12	W6TK	340	351	1781	58	N6AA	247	247	2442
13	N6HC	340	349	2408	59	W6KC	246	248	743
14	W6KK	340	349	2066	60	NE6V	239	239	1037
15	K6ND	340	348	2861	61	K6JEY	234	234	
16	WA5VGI	340	348	2798	62	N6HE	229	238	746
17	KJ6Y	340	348	1439	63	N6VOH	222	251	
18	N6PEQ	340	347	2056	64	W6YLZ	219	220	
19	KR6C	340	346	2152	65	N6AV	212	212	
20	WA6WZO	339	357	2456	66	K6AFW	204	204	917
21	N6RV	339	356	2522	67	WB6DJI	200	200	589
22	N6QQ	339	356	2353	68	AA6DW	196	202	402
23	N6WS	339	351	2658	69	K9TAD	172	166	244
24	K6RO	339	348	2484	70	N6LL	169	169	
25	W6TJI	338	355		71	W6GA	169	168	
26	W6IRD	338	354		72	KC6TOD	166	166	
27	W6RW	338	352	2479	73	KK6M	162	192	
28	W6FL	338	352	1644	74	K6FOD	154	154	
29	N6HY	338	346	2294	75	W6QE	149	149	365
30	N6MG	338	338		76	K6DW	147	147	
31	N6RW	337	372	2506	77	WD6Y	147	147	274
32	W6OU	337	356	1613	78	WC2S	146	146	
33	N6IC	336	347		79	AB9A	141	141	224
34	N6AX	336	322	1826	80	NZ6L	137	178	158
35	K6JW	335	341	1371	81	N6CA	133	133	386
36	N7NR	335	354	2686	82	K6NGO	130	130	
37	SM5GMZ	335	346	2454	83	KN6ZZI	125	125	314
38	K4ST	335	339	2065	84	K6BBC	103	117	216
39	K2IXQ	334	339	1796	85	N6YQ	100	128	
40	N6MXU	333	337	1802	86	WA6MEM	100	100	
41	W6SW	331	339	540	87	W6CCC	95	95	211
42	K6SY	331	337	1158	88	W6MPB	61	61	
43	W6DR	331	336	2109	89	K6LAC	46	46	
44	N6AX	330	336	1826	90	K6YIC	43	43	92
45	AA6PW	330	331	1785	91	NY6Y	28	28	
46	NK6A	313	316	957	92	KJ6YL	14	14	
47	N6DHZ	312	318	1535					

WAZ Standings				
Rank	Call	11B	5B	Awards
1	N0FW	424	200	M/P/C/R/5
2	K6ND	415	200	M/5
3	WA5VGI	416	200	M/P/C/R/5
4	N6WS	414	200	M/P/C/R/5
5	W6SR	384	200	M/P/C/5
6	K6FG	376	200	M/P/C/R/5
7	NS6C	369	200	M/P/C/R/5
8	W8DX	357	200	M/5
9	N6AW	355	200	M/P/C/5
10	K6YUI	353	200	M/P/C/R/5
11	W6RW	344	200	M/P/C/5
12	K6YRA	337	200	P/5
13	W6TK	369	198	
14	N6HY	365	196	M/P/C
15	N6RW	408	198	
16	N6WT	385	195	
17	N6RV	383	195	
18	K6RO	379	195	M/P/C
19	W6FL	253	195	
20	N6PM	374	193	
21	N6QQ	343	189	
22	KR6C	333	189	
23	N6PEQ	338	188	
24	W6DR	348	187	
25	W6OU	307	186	
26	N6GP	313	185	
27	K4ST	310	185	
28	W6KK	307	185	
29	N6DHZ	295	182	
30	AA6PW	298	181	
31	N6VNI	291	181	
32	K6SY	299	178	
33	KJ6Y	237	173	
34	N6HE	253	168	
35	W6ZL	253	166	M/P/C/R
36	K6JW	244	158	
37	NK6A	290	157	
38	W6KC	217	156	
39	W6YLZ	151	288	
40	K7MY	258	159	
41	N6MG	241	150	
42	NE6V	256	149	
43	K6AFW	218	149	
44	KK6M	173	140	
45	K0XP	171	140	
46	K6IRD	220	130	
47	W6SW	154	126	M/P
48	W6IRD	102	112	
49	WD6Y	174	109	M
50	K6VC	145	96	
51	K6DW	143	118	
52	WC2S	201	115	
53	K6NGO	191	110	
54	K6FOD	160	106	
55	KN6ZZI	123	97	
56	K9TAD	113	99	
57	NZ6L	104	82	
58	N6HC	17	13	
59	WB6DJI	11	8	

2024 Get Schroeder Contest

1A0	4S	7Q	A3	CE9	E7	FK	GI	HS	KH0	LZ	PJ7	T2	TY	VK9L	VU4	YV0
1S	4U1ITU	7X	A4	CN	EA	FK/C	GJ	HV	KH1	OA	PY	T30	TZ	VK9M	VU7	Z2
3A	4U1UN	8P	A5	CO	EA6	FM	GM	HZ	KH2	OD	PY0F	T31	UA	VK9N	XE	Z3
3B7	4W	8Q	A6	CP	EA8	FO	GU	I	KH3	OE	PY0S	T32	UA0	VK9W	XF4	Z6
3B8	4X	8R	A7	CT	EA9	FO/A	GW	IS0	KH4	OH	PY0T	T33	UA2	VK9X	XT	Z8
3B9	5A	9A	A9	CT3	EI	FO/C	H4	J2	KH5	OH0	PZ	T5	UJ	VP0G	XU	ZA
3C	5B	9G	AP	CU	EK	FO/M	H40	J3	KH6	OJ0	R1F	T7	UN	VP0S	XW	ZB2
3C0	5H	9H	BS7H	CX	EL	FP	HA	J5	KH7K	OK	S0	T8	UR	VP2E	XX9	ZC4
3D2	5N	9J	BU	CY0	EP	FR	HB	J6	KH8	OM	S2	TA	V2	VP2M	XZ	ZD7
3D2/C	5R	9K	BV9P	CY9	ER	FS	HB0	J7	KH8/S	ON	S5	TF	V3	VP2V	YA	ZD8
3D2/R	5T	9L	BY	D2	ES	FT/G	HC	J8	KH9	OX	S7	TG	V4	VP5	YB	ZD9
3DA	5U	9M2	C21	D4	ET	FT/J	HC8	JA	KL7	OY	S9	TI	V5	VP6	YI	ZF
3V	5V7	9M6	C31	D6	EU	FT/T	HH	JD/M	KP1	OZ	SM	TI9	V6	VP6/D	YJ	ZK3
3W	5W	9N	C5	DL	EX	FT5/W	HI	JD/O	KP2	P2	SP	TJ	V7	VP8	YK	ZL
3XA	5X	9Q	C6A	DU	EY	FT5/X	HK	JT	KP4	P4	ST	TK	V8	VP8H	YL	ZL7
3Y/B	5Z	9U	C9	E3	EZ	FT5Z	HK0/M	JW	KP5	P5	SU	TL	VE	VP8O	YN	ZL8
3Y/P	6W	9V	CE	E4	F	FW	HK0S	JX	LA	PA	SV	TN	VK	VP9	YO	ZL9
4J	6Y	9X	CE0X	E5/N	FG	FY	HL	JY	LU	PJ2	SV/A	TR	VK0H	VQ9	YS	ZP
4L	7O	9Y	CE0Y	E5/S	FH	G	HP	K	LX	PJ4	SV5	TT	VK0M	VR	YT	ZS
4O	7P	A2	CE0Z	E6	FJ	GD	HR	KG4	LY	PJ5	SV9	TU	VK9C	VU	YV	ZS8

Chart Legend	
White / Green	Entity Worked This Year by a Member
Black / White	Very Active Entity Not Yet Worked
Black / Blue	Entity with Announced DXpedition
Black / Yellow	Rarely Active Entity Not Yet Worked
Black / Red	Inactive Entity
	Deleted Entity

N5J and CY9C has kept the members busy. Furthermore, the Marshall Islands made an appearance. Will, K6ND worked 6 new ones to take top spot. Larry followed with 4. Bill, N6RV, actually picked up 7 and Warren, KN6ZZI picked up 18! These members and many more can be found on the DXCHAT Discord server.

We reduced the gap between ClubLog and SCDXC by 1.

ClubLog Worked Not SCDXC

3B7 CY0 VK9M
5N EZ VP0G
5V7 ST VP8H
9Q SV/A VU4

SCDXC Worked Not ClubLog

2024 Get Schroeder Leaders							
2024 Total Entities Worked							277
2023 Total Entities Worked							294
2024 Entities Worked by SCDXC							267
2023 SCDXC Entities Worked							294
2024 Entities Worked by SCDXC Members in SoCal							261
2023 Entities Worked by SCDXC Members in SoCal							280
2024 ClubLog Leaders Entities Worked							277
2023 ClubLog Leaders Entities Worked							294
2024 SCDXC Leader (K6ND)							282
2023 ClubLog Leader (IK0OZD)							284
Rank	Call	Entities	Last Mo.	Last Yr	Leader	-Tot	-Q
1	K6ND	257	6	-11	1	10	-72
2	K6RO	256	4	-22	0	11	-71
3	N0FW	255	2	-26	-1	12	-70
4	N6WT	254	4	-19	-2	13	-69
5	N6RW	250	4	-20	-6	17	-65
6	N6RV	249	7	-30	-7	18	-64
7	WA5VGI	246	4	-11	-10	21	-61
8	NS6C	243	1	-18	-13	24	-58
9	W6TK	241	6	-36	-15	26	-56
10	K6AFW	231	7	2	-25	36	-46
11	W6OU	222	0	-21	-34	45	-37
12	N6WS	218	6	-55	-38	49	-33
13	W6DR	194	2	-54	-62	73	-9
14	N6QQ	185	5	-62	-71	82	0
15	KN6ZZI	183	18	183	-73	84	2
16	N6AV	169	8	120	-87	98	16
17	AA6PW	168	11	73	-88	99	17
18	N6PM	164	2	-64	-92	103	21
19	N6MG	152	3	1	-104	115	33
20	N6DZH	148	3	-53	-108	119	37
21	W6SR	145	2	51	-111	122	40
22	N6GP	143	1	-50	-113	124	42
23	W6ZL	135	4	-60	-121	132	50
24	WC2S	133	1	-6	-123	134	52
25	K6FG	132	0	16	-124	135	53
26	W8DX	132	9	-68	-124	135	53
27	NK6A	130	3	-13	-126	137	55
28	K7MY	121	0	-38	-135	146	64
29	K0XP	117	1	-77	-139	150	68
30	KI6BTY	110	7	7	-146	157	75
31	WB6DJI	106	0	-35	-150	161	79

SCDXC Get Schroeder Standings 2024																	
Rank	Call	160	80	60	40	30	20	17	15	12	10	6	Total	Slots			
1	K6ND	42	40	20	73	95	156	124	129	113	108	7	257	907	33		
2	K6RO	6	52	37	161	120	216	209	230	208	217	22	256	1478	36		
3	N0FW	79	84	54	146	150	191	172	192	180	205	39	255	1492	28		
4	N6WT	8	11	7	49	57	121	79	132	92	124	14	254	694	10		
5	N6RW	37	##	99	160	199	222	203	219	208	204	39	250	1696	66		
6	N6RV	2	35	12	124	110	165	148	191	124	152	29	248	1092	56		
7	WA5VGI	7	16	37	50	76	116	117	138	109	130	2	246	798	40		
8	NS6C	3	10	1	38	73	116	76	121	131	95	20	243	684	67		
9	W6TK	7	23	3	94	109	156	176	208	182	175	4	241	1138	67		
10	K6AFW	0	8	4	97	134	149	140	168	140	136	0	231	976	32		
11	W6OU	0	0	36	23	41	71	60	64	62	53	2	222	412	61		
12	N6WS	4	16	7	39	26	78	72	95	79	72	27	218	515	60		
13	W6DR	8	49	54	96	83	100	81	113	75	118	8	194	785	54		
14	N6QQ	0	0	0	7	43	113	106	133	83	99	11	185	595	67		
15	KN6ZZI	0	0	0	43	18	138	69	133	65	126	0	183	592	1		
16	N6AV	0	0	0	61	87	98	96	74	68	70	0	169	554	2		
17	AA6PW	0	25	0	87	51	124	92	136	28	113	0	168	656	37		
18	N6PM	8	17	20	46	74	43	57	60	49	70	0	164	444	30		
19	N6MG	2	27	0	37	25	93	27	96	79	108	1	152	495	47		
20	N6DZH	0	18	0	35	4	84	20	108	26	105	0	148	400	36		
21	W6SR	0	0	0	2	0	90	2	101	10	99	11	144	315	57		
22	N6GP	0	0	0	2	3	18	1	43	58	91	9	142	225	36		
23	W6ZL	0	2	0	25	4	81	16	102	33	94	1	133	358	32		
24	WC2S	0	0	0	5	14	31	42	71	46	48	1	133	258	7		
25	K6FG	8	24	2	67	81	47	69	29	29	24	13	132	393	68		
26	W8DX	0	0	0	0	0	30	29	50	22	78	3	132	212	67		
27	NK6A	0	0	0	8	2	75	9	79	5	107	0	129	285	79		
28	K7MY	0	19	0	15	44	0	37	74	41	60	1	121	291	47		
29	K0XP	27	11	0	87	20	23	17	29	24	24	0	116	262	17		
30	KI6BTY	0	12	12	45	29	58	42	58	41	57	3	110	357	2		
31	WB6DJI	0	0	0	68	5	62	1	48	1	63	6	106	254	31		
32	K6NGO	0	7	1	22	13	28	25	40	20	41	1	88	198	4		
33	AA6DW	0	1	0	6	8	12	19	27	35	25	8	80	141	37		
34	K6JW	0	12	0	9	5	28	17	38	21	8	1	71	139	65		
35	W6FL	0	5	3	5	10	10	12	24	12	13	24	70	118	64		
36	NA6Q	0	2	0	6	5	20	4	30	15	38	0	67	120	7		
37	W6YLZ	0	0	0	0	3	25	28	23	16	2	7	66	104	36		
38	K6DW	0	0	0	29	0	33	0	38	0	31	1	63	132	17		
39	K9TAD	0	0	1	9	1	37	0	21	0	23	1	55	93	17		
40	K6FOD	1	3	0	9	7	9	10	12	9	13	0	47	73	6		
41	W6KK	1	14	0	11	14	2	0	3	1	7	2	36	55	29		
42	KK6M	0	0	0	0	0	2	0	20	8	5	0	29	35	45		
43	W6EY	0	3	0	3	1	4	5	3	8	8	0	23	35	24		
44	N6PEQ	0	0	0	0	0	1	0	3	0	4	0	5	8	38		

It is amazing that it is nearing the end of summer and conditions have improved rather than the summer doldrums. We picked up a few new ones, KH5, CY9, and V7. Our total for the month was low but still substantial.

Total Jan Feb Mar Apr May June July Aug										
Entity	Prefix	263	210	215	187	89	70	124	160	122
MONACO	3A	1	1	1	0	1	0	1	0	0
MAURITIUS ISLAND	3B8	1	1	1	1	0	0	0	0	1
RODRIGUEZ ISLAND	3B9	1	1	1	0	0	0	0	0	1
FUJI ISLANDS	3D2	1	1	1	1	0	1	0	1	0
CONWAY REEF	3D2/C	1	0	0	0	1	1	0	0	1
KINGDOM OF ESWATINI	3DA	1	1	1	0	0	0	0	0	1
TUNISIA	3V	1	1	0	1	0	0	0	0	0
VIET NAM	3W	1	1	1	1	0	1	1	1	0
AZERBAIJAN	4J	1	1	1	1	0	1	1	1	1
GEORGIA	4L	1	1	1	1	1	0	1	1	0
MONTENEGRO	4O	1	1	1	1	0	0	1	1	0
SRI LANKA	4S	1	1	1	1	1	0	0	0	1
UNITED NATIONS HQ	4U1UN	1	0	1	0	1	0	0	1	1
TIMOR-LESTE	4W	1	0	0	1	0	0	0	0	1
ISRAEL	4X	1	1	1	1	0	0	1	1	1
LIBYA	5A	1	1	1	0	0	0	0	0	0
CYPRUS	5B	1	1	1	1	0	0	1	1	1
TANZANIA	5H	1	1	1	1	0	0	0	0	0
MADAGASCAR	5R	1	1	1	0	0	0	0	0	0
NIGER	5U	1	0	0	0	0	1	0	1	0
SAMOA	5W	1	1	1	1	0	0	1	1	1
UGANDA	5X	1	0	1	0	0	0	0	0	0
KENYA	5Z	1	1	1	1	0	0	0	1	0
SENEGAL	6W	1	0	1	1	0	0	0	0	0
JAMAICA	6Y	1	1	1	1	0	0	0	0	1
YEMEN	7O	1	1	1	0	0	0	0	0	0
LESOTHO	7P	1	0	1	1	1	0	0	0	0
MALAWI	7Q	1	1	1	1	0	0	1	1	1
ALGERIA	7X	1	1	1	0	1	1	1	0	1
BARBADOS	8P	1	1	1	1	0	0	1	0	1
MALDIVES	8Q	1	1	0	0	1	1	0	0	1
GUYANA	8R	1	0	1	1	0	0	0	0	0
CROATIA	9A	1	1	1	1	0	1	1	1	1
GHANA	9G	1	1	1	1	0	0	0	0	0
ZAMBIA	9H	1	1	1	1	0	0	0	0	1
MALTA	9J	1	1	1	0	0	0	0	0	1
KUWAIT	9K	1	1	1	1	0	0	1	1	0
WEST MALAYSIA	9M2	1	1	1	1	0	1	1	1	0
EAST MALAYSIA	9M6	1	1	1	1	0	0	1	0	1
NEPAL	9N	1	1	1	0	0	0	1	0	1
SINGAPORE	9V	1	1	1	1	0	0	1	1	1
RWANDA	9X	1	0	0	0	0	1	0	0	0
TRINIDAD & TOBAGO	9Y	1	1	1	1	0	0	0	1	1
BOTSWANA	A2	1	1	1	0	0	0	0	1	1
TONGA	A3	1	1	1	1	0	0	0	0	0
OMAN	A4	1	1	1	1	0	0	1	1	0
BHUTAN	A5	1	0	0	0	1	1	0	0	0
UNITED ARAB EMIRATES	A6	1	1	1	1	0	0	1	1	1
QATAR	A7	1	1	0	0	0	0	0	0	1
BAHRAIN	A9	1	1	1	1	0	0	1	0	1
PAKISTAN	AP	1	1	1	1	0	0	0	0	0
TAIWAN	BU	1	1	1	1	0	1	0	1	1
CHINA	BY	1	1	1	1	1	1	1	1	1
NAURU	C21	1	1	1	0	1	0	0	1	0
ANDORRA	C31	1	1	1	1	0	0	0	1	0
BAHAMAS	C8A	1	1	1	1	0	0	0	0	1
MOZAMBIQUE	C9	1	0	0	1	0	0	0	0	1
CHILE	CE	1	1	1	1	1	1	1	1	1
EASTER ISLAND	CE0Y	1	1	1	1	1	0	0	0	0
JUAN FERNANDEZ ISLANDS	CE0Z	1	0	1	1	0	0	0	0	0
ANTARCTICA	CE9	1	1	1	1	0	0	0	1	1
MOROCCO	CO	1	1	1	1	0	0	0	0	1
CUBA	CN	1	1	1	1	0	0	1	1	0
BOLIVIA	CP	1	1	1	1	0	0	0	1	1
PORTUGAL	CT	1	1	1	1	0	0	1	1	1
MADEIRA ISLANDS	CT3	1	1	1	1	0	0	1	1	1
AZORES	CU	1	1	1	1	0	0	0	1	1
URUGUAY	CX	1	1	1	1	0	1	0	1	1
SAINT PAUL ISLAND	CY9	1	0	0	0	0	0	0	0	0
ANGOLA	D2	1	1	1	0	0	0	1	1	1
CAPE VERDE	D4	1	1	1	1	0	0	0	0	1
FEDERAL REPUBLIC OF GERMANY	DL	1	1	1	1	0	1	1	1	1
PHILIPPINES	DU	1	1	1	1	0	0	1	1	1
NORTH COOK ISLANDS	ES/N	1	1	0	0	0	0	0	0	1
SOUTH COOK ISLANDS	ES/S	1	1	0	0	0	0	0	0	1
NIUE	E6	1	0	0	0	1	0	0	0	0
BOSNIA-HERZEGOVINA	E7	1	1	1	1	0	0	1	0	1
SPAIN	EA	1	1	1	1	0	0	1	1	1
BALEARIC ISLANDS	EA6	1	1	1	1	0	0	1	1	1
CANARY ISLANDS	EA8	1	1	1	1	0	0	1	1	1
CEUTA & MELILLA	EA9	1	1	1	1	0	0	1	1	1
IRELAND	EI	1	1	1	1	0	0	1	1	0
ARMENIA	EK	1	1	1	1	1	0	0	1	1
LIBERIA	EL	1	1	1	1	1	0	0	0	1
IRAN	EP	1	1	1	1	0	0	1	0	0
MOLDOVA	ER	1	1	1	1	0	0	1	0	1
ESTONIA	ES	1	1	1	0	0	0	1	1	1
ETHIOPIA	ET	1	1	1	0	0	0	0	0	0
Entity	Prefix	Total	Jan	Feb	Mar	Apr	May	June	July	Aug
Entity	Prefix	263	210	215	187	89	70	124	160	122
Entity	Prefix	263	210	215	187	89	70	124	160	122
Entity	Prefix	263	210	215	187	89	70	124	160	122
Entity	Prefix	263	210	215	187	89	70	124	160	122
Entity	Prefix	263	210	215	187	89	70	124	160	122
Entity	Prefix	263	210	215	187	89	70	124	160	122
Entity	Prefix	263	210	215	187	89	70	124	160	122
Entity	Prefix	263	210	215	187	89	70	124	160	122
Entity	Prefix	263	210	215	187	89	70	124	160	122
Entity	Prefix	263	210	215	187	89	70	124	160	122
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Entity	Prefix	263	210	215	187	89	70	124	160	122
Entity	Prefix	263	210	215	187	89	70	124	160	122
Entity	Prefix	263	210	215	187	89	70	124	160	122
Entity	Prefix	263	210	215	187	89	70	124	160	122
Entity	Prefix	263	210	215	187	89	70	124	160	122
Entity	Prefix	263	210	215	187	89	70	124	160	122
Entity	Prefix	263	210	215	187	89	70	124	160	122
Entity	Prefix	263	210	215	187	89	70	124	160	122
Entity	Prefix	263	210	215	187	89	70	124	160	122
Entity	Prefix	263	210	215	187	89	70	124	160	122
Entity	Prefix	263	210	215	187	89	70	124	160	122
Entity	Prefix	263	210	215	187	89	70	124	160	122
Entity	Prefix	263	210	215	187	89	70	124	160	122
Entity	Prefix	263	210	215	187	89	70	124	160	122
Entity	Prefix	263	210	215	187	89	70	124	160	122
Entity	Prefix	263	210	215	187	89	70	124	160	122
Entity	Prefix	263	210	215	187	89	70	124	160	122
Entity	Prefix	263	210	215	187	89	70	124	160	122
Entity	Prefix	263	210	215	187	89	70	124	160	122
Entity	Prefix	263	210	215	187	89	70	124	160	122
Entity	Prefix	263	210	215	187	89	70	124	160	122
Entity	Prefix	263	210	215	187	89	70	124	160	122
Entity	Prefix	263	210	215	187	89	70	124	160	122
Entity	Prefix	263	210	215	187	89	70	124	160	122
Entity	Prefix	263	210	215	187	89	70	124	160	122
Entity	Prefix	263	210	215	187	89	70	124	160	122
Entity	Prefix	263	210	215	187	89	70	124	160	122
Entity										

Who's on 6?

It truly has been a terrible 6 meter season. Maybe the Fall F2 season will be more favorable. We did pick up on more entity EA8, Canary Islands.

Did we mention we need members to fill the 2025 Board of Directors slate? Are you considering a spot? If you enjoy reading the newsletter then we need a board or it all goes away.

[illegible]

Jarvis Island

History

If you missed this DXpedition you missed a great one. They were active 24/7 and many club members worked them on 20 plus band / mode slots. Boy they could hear! A 100 watts to a piece of non-resonant wire on 160 meters was enough to work them both CW and FT8. Unfortunately we did not have any 6 meter propagation.

Our member Bob, N6RW is #1 in North America!

Top 100 band/slots for members of SCDXC - Southern California DX Club [First Past the Post]*

1	N6RW	24	21	KN6ZZI	12	41	WA3IHV	2
2	N0FW	24	22	NK6A	11	42	K8YUI	2
3	N6AX	23	23	N6MG	11	43	K8DW	2
4	N6WS	23	24	N6HY	9	44	W6HB	1
5	N6RV	23	25	K0XP	9	45	WD6Y	1
6	N6WT	22	26	AA6DW	9	46	W6QE	1
7	W6DR	21	27	WA6VGI	7	47	K9TAD	1
8	W6FL	21	28	K6BTY	6	48	W8DX	1
9	K6RO	20	29	N6DHZ	6			
10	N6PM	19	30	W6KK	6			
11	W6TK	19	31	K6Y	5			
12	K6JW	18	32	N6MXU	4			
13	W6OU	18	33	K6NGO	4			
14	W6ZL	17	34	N6QQ	4			
15	K6FG	17	35	WC2S	3			
16	K6AFW	16	36	K7MY	3			
17	K6ND	15	37	K6JEY	3			
18	N6AV	14	38	N6GP	2			
19	W6KC	13	39	W6DJ	2			
20	NS6C	12	40	W6YLZ	2			



Deleted ARRL DXCC Entities

This month we look at deleted entity #50 Aldabra.

Prefix	Entity	Cont	Zone		UTC	Location		Prefix
			ITU	CQ	+/-	Lat	Long	
VQ6	British Somaliland	AF	48	37	3	2N	46E	
VQ9	Aldabra	AF	53	39	4	9S	46E	
VQ9	Desroches	AF	53	39	4	6S	55E	
VQ9	Farquhar	AF	53	39	4	10S	51E	
VS2	Malaya	AS	54	28	7.5	3N	102E	9M2
VS4	Sarawak	OC	54	28	8	2N	110E	
VS9A	PDR Yemen	AS	39	21	3	13N	45E	VS9A, VS9P, VS9S
VS9H	Kuria Muria Is	AS	39	21	4	18N	56E	

Aldabra

Located in the Indian Ocean near Comoros Aldabra is a coral atoll. It is actually the outer island of the Seychelles Archipelago. It is the second largest coral atoll in the world. The island name is a morph of the Arab word AL-Khadra (meaning green) whose meaning somehow relates to harsh and sun-baked. This is similar to the Hawaiian name Lahina which means land of relentless sun. The atoll has harsh with a large brackish lagoon and no natural fresh water source. It is interesting that it is the home of one of the largest tortoises, that Aldabra tortoise. Michael Jackson owned one and ended up in Tom Paquette, N6OT backyard. The island was uninhabited.

The Persians and Arabs visited the island early on. It was visited by the Portuguese in 1511. In the mid 1700s the French declared it a dependency of Reunion Island. Britain held the islands in 1810 but eventually returned to France. Efforts to colonize the island failed and now ship rats outnumber all other species.

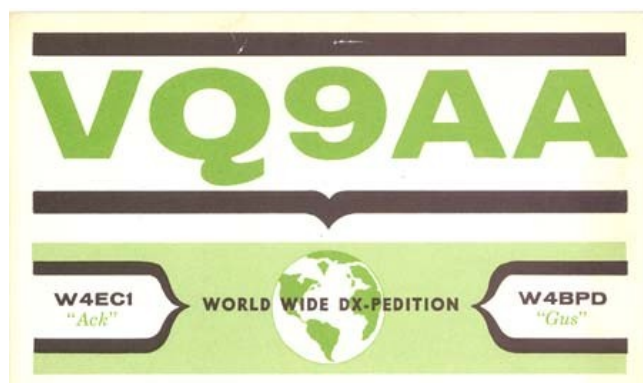
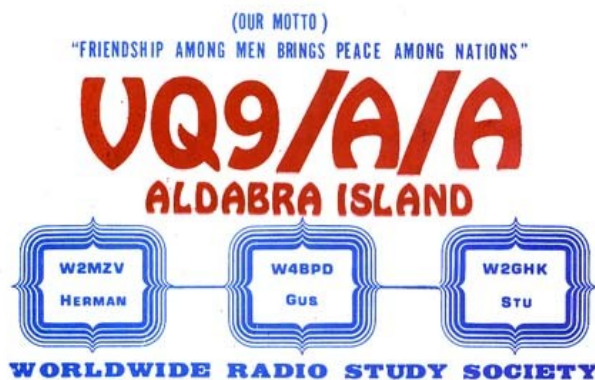
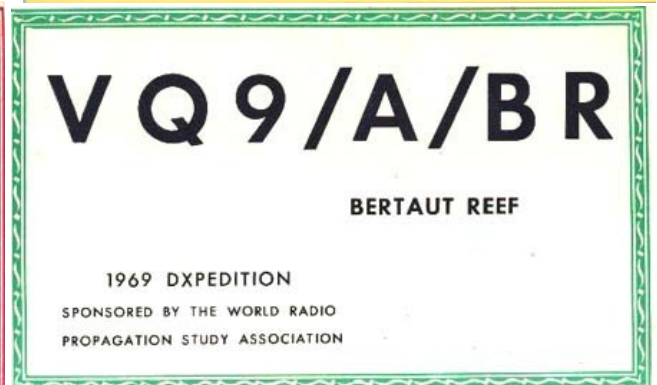
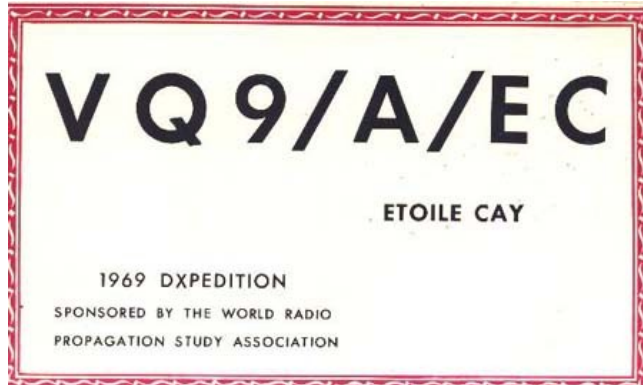
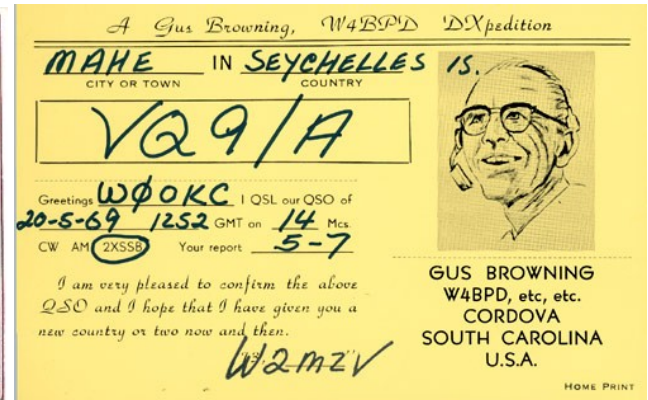
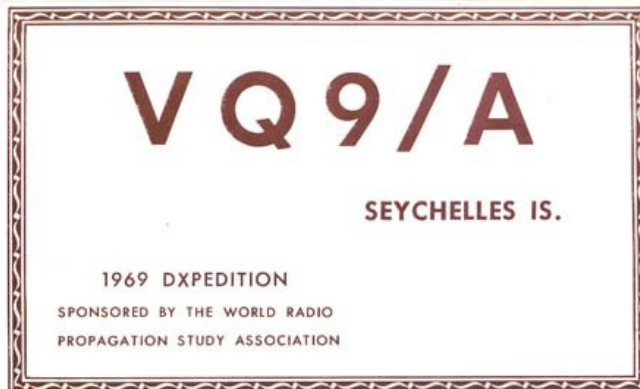
In 1965 Aldabra, Desroches, and Farquhar became part of the British Indian Ocean Territory. It considered putting an Air Force base on the island and a BBC station. The projects were met with opposition by the environmentalist. Aldabra was declared a UNESCO World Heritage Site.



Amateur Radio Operations

Almost all operations were by Gus Browning, W4BPD, and company. It seems he was looking to increase the total DXCC countries by going to many reefs and outlying islands. An interesting story about one dis-credited operation by ST2UU is found [here](#).

Aldabra	
VQ7UU	1953
VQ9A/AN	1962
VQ9A/7	1962
VQ9AA	1962
VQ9C	1962
VQ9A/AN	1963
VQ9AA/A	1966
VQ9AA/A	1966
VQ9JW	1967
VQ9/A	1969
VQ9/A	1969
VQ9/A/BC	1969
VQ9/A/BR	1969
VQ9/A/EC	1969
VQ9/A/A	1970
VQ9HCS	1972



Tid Bits

For Sale:

The You are looking at 3 Monster HF antennas that I just purchased with a tower. **\$3825 obo - or trade for a K3S K4 7610 ?**

I have been asked if I would split up the antennas..and yes I will..If you want 1 or 2,that is fine.
Please see my eBay ad for more pics.

They are all M2 antennas ,which are pretty darn good.
10m = 10M7DX 7 elements on a 45 foot boom ! \$3350 new
15m = 15M6DX 6 elements on a 44 foot boom \$2295 new
20m = 20M5 5 elements on a 44 foot boom. \$2295 new
That's over \$8000 new,plus shipping and tax.

Pickup only in Fallbrook CA...North San Diego County
These look be in very nice condition.

You can download the manuals on the M2 website.
Please see pictures for more details.

Local pickup only in Northern San Diego County CA.
I can be reached through email if you have questions about these fine antennas.



Larry K6RO

2 Rebuilt ? Prop Pitch Rotors - control boxes, power supply, syncro controllers etc **\$1899 ea obo or trade**

I got these 2 Prop Pitch rotors recently with a tower that I bought. That tower also has a prop pitch in it. I do not need two spare rotors, so I will be selling everything as pictured.

It appears to be 2 rebuilt small rotors,2 control boxes by W6IMA ? as per outside of boxes. 2 Heavy duty power supply boxes with cables. 2 Syncro controllers.

I know nothing about prop pitch rotors..in fact, I had never seen one until these were delivered. I did see a rebuilt rotor sell this week for \$2500 alone, and I know Kurt K7NV was charging \$3500 for a rebuilt set ready to go. Maybe someone out there can help me with what I have?

I don't know what they are worth, so I will pick a number to start. I would prefer pickup near San Diego.

Will even trade for something I can use..like a K4, kpa1500 :)

Let's talk,

Larry K6RO

Please see pictures for more details.



Resource Page

Useful Sites

N0HR DXpedition Map
www.n0hr.com/wk34/

The DX Zone
www.dxzone.com/catalog/DX_Resources/

The Daily DX
www.dailydx.com/

Announced DX Ops
www.ng3k.com/misc/adxo.html

DXing.info
[/www.dxing.info/dxpeditions/](http://www.dxing.info/dxpeditions/)

DX 425 News
www.425dxn.org/dxped/

DX Italia DX News
www.marioi2mqp.it

DH9SB Weekly DX Calendar
<http://www.dx-info.de>

Southern California Contest Club
<http://www.socalcontestclub.org/>

Sixth District QSL Bureau
www.QSLBureau.org

Propagation

We are off to the races. The SFI has been over 200 for some time and looking at the graphs, the numbers far exceed last cycle ... already. The question is will it continue to rise through 2025? If so we are in for one wild ride! This fall should be a monster F2 season, particularly on 6 meters!

Strongest Cycle Ever?
Biggest Cycle?

Understanding Indices - K9LA

What to Expect During the Rising Years of Solar Cycle 25 - YouTube

The Termination Event | Space-weather.com

ARRL VE Exam Sessions

To find an ARRL exam sessions in your area go to the website:

<http://www.arrl.org/find-an-amateur-radio-license-exam-session>

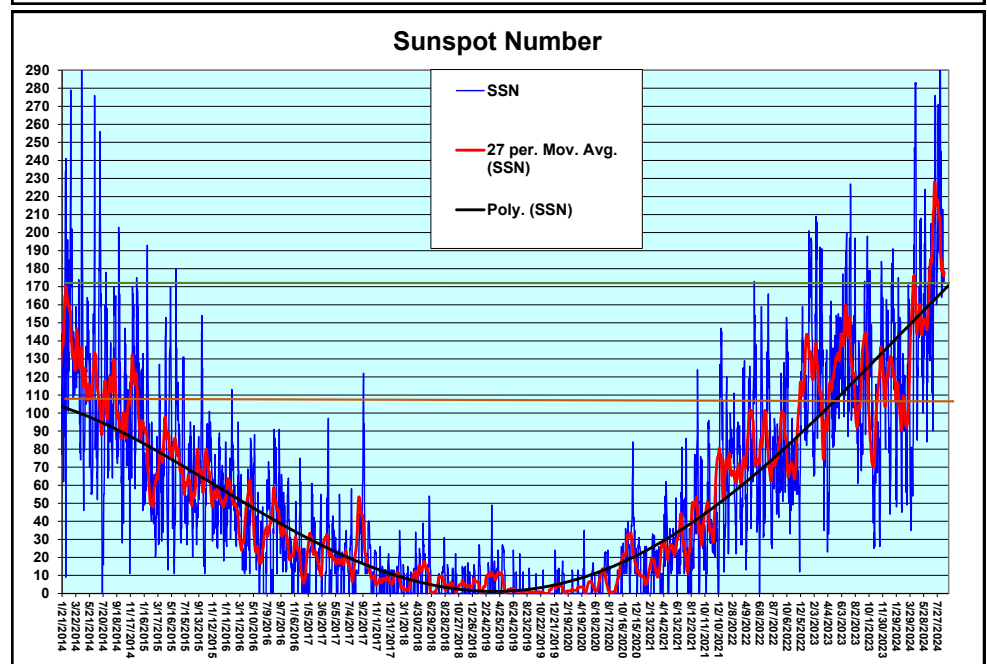
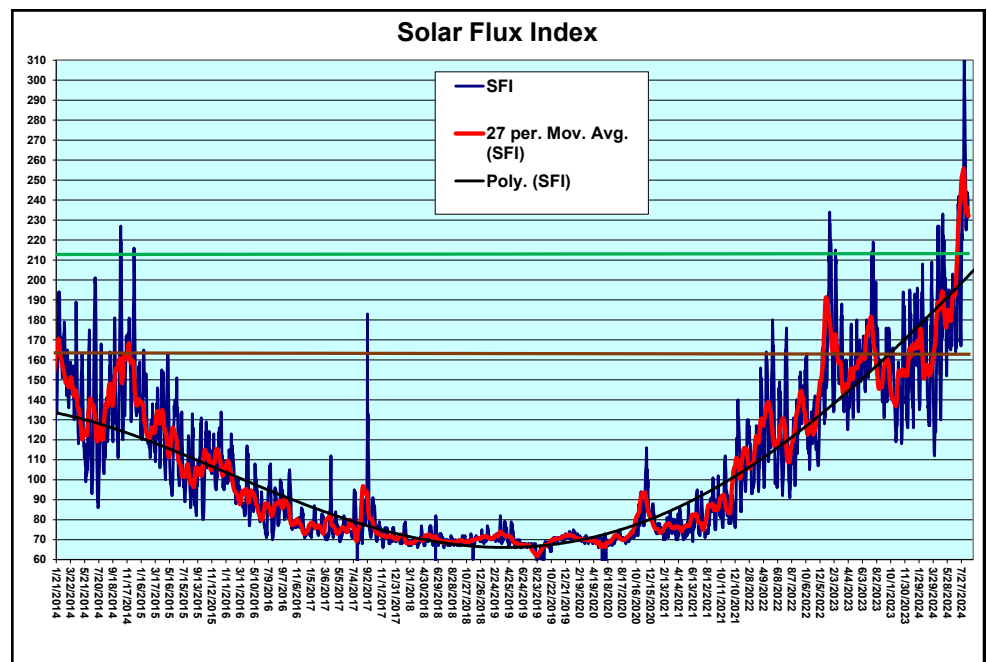
Club and Conduct Sites

Officer Guidelines

http://www.scdxc.org/download/Officer_Guidelines.pdf

DX Code of Conduct

<http://www.dx-code.org/>





Store	E-mail	Direct	Toll Free	Fax
Anaheim	ana@hamradio.com	1-714-533-7373	1-800-854-6046	1-714-533-9485
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